5520 OIPE

CRF Errors Corrected by th STIC System Branch

CRF Processing Date: 5/2/2002

Serial Number: 09/787,986A ENTERED

Edited by: _____

Verified by: _____ (STIC staff)

#13

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:

  _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

  _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

  _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

  _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included:

  _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically:

  _____
- ☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically:

  _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:

  _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ***ending*** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other:

  _____

  _____

  _____

  _____

***Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.**

3/1/95

OIPE

RAW SEQUENCE LISTING DATE: 05/02/2002
PATENT APPLICATION: US/09/787,986A TIME: 11:22:43

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\05022002\I787986A.raw

```
     3 <110> APPLICANT: Lewis, Richard J.
     4       Alewood, Paul F.
     5       Sharpe, Iain A.
     7 <120> TITLE OF INVENTION: NOVEL PEPTIDES
     9 <130> FILE REFERENCE: Davies Collison Cave
    11 <140> CURRENT APPLICATION NUMBER: 09/787,986A
C--> 12 <141> CURRENT FILING DATE: 2001-03-23
    14 <160> NUMBER OF SEQ ID NOS: 9
    16 <170> SOFTWARE: PatentIn Ver. 2.1
    18 <210> SEQ ID NO: 1
    19 <211> LENGTH: 13
    20 <212> TYPE: PRT
    21 <213> ORGANISM: Conus marmoreus
    23 <220> FEATURE:
    24 <221> NAME/KEY: PEPTIDE
    25 <222> LOCATION: (12)
    26 <223> OTHER INFORMATION: Xaa at position 12 is 4-hydroxy proline
    28 <400> SEQUENCE: 1
M-> 29 Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys
    30   1               5                  10
    33 <210> SEQ ID NO: 2
    34 <211> LENGTH: 13
    35 <212> TYPE: PRT
    36 <213> ORGANISM: Conus marmoreus
    38 <220> FEATURE:
    39 <221> NAME/KEY: PEPTIDE
    40 <222> LOCATION: (12)
    41 <223> OTHER INFORMATION: Xaa at position 12 is 4-hydroxy proline
    43 <400> SEQUENCE: 2
M-> 44 Val Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys
    45   1               5                  10
    48 <210> SEQ ID NO: 3
    49 <211> LENGTH: 13
    50 <212> TYPE: PRT
    52 <213> ORGANISM: Conus marmoreus
    54 <400> SEQUENCE: 3
    55 Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys
    56   1               5                  10
    59 <210> SEQ ID NO: 4
    60 <211> LENGTH: 20
    61 <212> TYPE: DNA
    62 <213> ORGANISM: Artificial Sequence
    64 <220> FEATURE:
```

RAW SEQUENCE LISTING DATE: 05/02/2002
PATENT APPLICATION: US/09/787,986A TIME: 11:22:43

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\05022002\I787986A.raw

```
65 <223> OTHER INFORMATION: Description of Artificial Sequence:
66       Oligonucleotide probe
68 <220> FEATURE:
69 <221> NAME/KEY: unsure
70 <222> LOCATION: (3)
71 <223> OTHER INFORMATION: n=a/c/g/t
73 <220> FEATURE:
74 <221> NAME/KEY: unsure
75 <222> LOCATION: (6)
76 <223> OTHER INFORMATION: r=a/g
78 <220> FEATURE:
79 <221> NAME/KEY: unsure
80 <222> LOCATION: (9)
81 <223> OTHER INFORMATION: r=a/g
84 <220> FEATURE:
85 <221> NAME/KEY: unsure
86 <222> LOCATION: (12)
87 <223> OTHER INFORMATION: n=a/c/g/t
90 <220> FEATURE:
91 <221> NAME/KEY: unsure
92 <222> LOCATION: (14)
93 <223> OTHER INFORMATION: r=a/g
97 <220> FEATURE:
98 <221> NAME/KEY: unsure
99 <222> LOCATION: (15)
100 <223> OTHER INFORMATION: y=c/t
102 <220> FEATURE:
103 <221> NAME/KEY: unsure
104 <222> LOCATION: (18)
105 <223> OTHER INFORMATION: r=a/g
107 <400> SEQUENCE: 4
M--> 108 canggrtgrc anaryttrta                                    20
111 <210> SEQ ID NO: 5
112 <211> LENGTH: 27
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Description of Artificial Sequence:
118       Oligonucleotide probe
120 <400> SEQUENCE: 5
121 ccatcctaat acgactcact atagggc                                  27
124 <210> SEQ ID NO: 6
125 <211> LENGTH: 23
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Description of Artificial Sequence:
131       Oligonucleotide probe
133 <400> SEQUENCE: 6
```

RAW SEQUENCE LISTING DATE: 05/02/2002
PATENT APPLICATION: US/09/787,986A TIME: 11:22:43

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\05022002\I787986A.raw

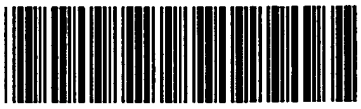
```
134 acaggcagaa tgcgctgtct ccc                                          23
137 <210> SEQ ID NO: 7
138 <211> LENGTH: 28
140 <212> TYPE: DNA
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Description of Artificial Sequence:
145       Oligonucleotide probe
147 <400> SEQUENCE: 7
148 aactggaaga attcgcggcc gcaggaat                                      28
151 <210> SEQ ID NO: 8
152 <211> LENGTH: 186
153 <212> TYPE: DNA
154 <213> ORGANISM: Conus marmoreus
156 <400> SEQUENCE: 8
157 atgcgctgtc tcccagtctt gatcattctt ctgctgctga ctgcatctgc acctggcgtt 60
158 gttgtcctac cgaagaccga agatgatgtg cccatgtcat ctgtctactg taatggaaag 120
159 agtatcctac gaggaattct gaggaacggt gtgtgctgtg gctataagtt gtgccatcca 180
160 tgttaa                                                            186
163 <210> SEQ ID NO: 9
164 <211> LENGTH: 61
165 <212> TYPE: PRT
166 <213> ORGANISM: Conus marmoreus
168 <400> SEQUENCE: 9
169 Met Arg Cys Leu Pro Val Leu Ile Ile Leu Leu Leu Leu Thr Ala Ser
170   1               5                  10                  15
172 Ala Pro Gly Val Val Val Leu Pro Lys Thr Glu Asp Asp Val Pro Met
173              20                  25                  30
175 Ser Ser Val Tyr Cys Asn Gly Lys Ser Ile Leu Arg Gly Ile Leu Arg
176          35                  40                  45
178 Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys
179      50                  55                  60
```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/02/2002
PATENT APPLICATION: US/09/787,986A TIME: 11:22:44

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\05022002\I787986A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 12
Seq#:2; Xaa Pos. 12
Seq#:4; N Pos. 3,12



OIPE

RAW SEQUENCE LISTING DATE: 04/29/2002
PATENT APPLICATION: **US/09/787,986A** TIME: 15:04:59

Input Set : **A:\14438.txt**
Output Set: **N:\CRF3\04292002\I787986A.raw**

Does Not Comply
Corrected Diskette Needed

```
      3 <110> APPLICANT: Lewis, Richard J.
      4       Alewood, Paul F.
      5       Sharpe, Iain A.
      7 <120> TITLE OF INVENTION: NOVEL PEPTIDES
      9 <130> FILE REFERENCE: Davies Collison Cave
     11 <140> CURRENT APPLICATION NUMBER: 09/787,986A
C--> 12 <141> CURRENT FILING DATE: 2001-03-23
     14 <160> NUMBER OF SEQ ID NOS: 9
     16 <170> SOFTWARE: PatentIn Ver. 2.1
```

ERRORED SEQUENCES

```
    163 <210> SEQ ID NO: 9
    164 <211> LENGTH: 61
    165 <212> TYPE: PRT
    166 <213> ORGANISM: Conus marmoreus
    168 <400> SEQUENCE: 9
    169 Met Arg Cys Leu Pro Val Leu Ile Ile Leu Leu Leu Leu Thr Ala Ser
    170   1               5                  10                  15
    172 Ala Pro Gly Val Val Val Leu Pro Lys Thr Glu Asp Asp Val Pro Met
    173              20                  25                  30
    175 Ser Ser Val Tyr Cys Asn Gly Lys Ser Ile Leu Arg Gly Ile Leu Arg
    176          35                  40                  45
    178 Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys
    179     50                  55                  60
E--> 184 3
```

VERIFICATION SUMMARY DATE: 04/29/2002
PATENT APPLICATION: **US/09/787,986A** TIME: 15:05:00

Input Set : **A:\14438.txt**
Output Set: **N:\CRF3\04292002\I787986A.raw**

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:29 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:184 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:9